



**U.S. Department  
of Transportation**  
**Federal Aviation  
Administration**

# **Advisory Circular**

## ANNOUNCEMENT OF AVAILABILITY

**Subject:** AIRPORT RESEARCH AND TECHNICAL REPORTS      **Date:** 2/11/85      **AC No:** 150/5000-4B  
**Initiated by:** AAS-100      **Change:**

1. PURPOSE. The purpose of this advisory circular (AC) is to alert the public to the availability of published research and technical reports sponsored by the Federal Aviation Administration (FAA) on a variety of airport related subjects.
  2. CANCELLATION. This AC cancels AC 150/5000-4A, Announcement of Availability: Airport Research and Technical Reports, dated January 5, 1984.
  3. PRINCIPAL CHANGES. The revised list reflects changes through February 1, 1985.
  4. BACKGROUND. The Federal Aviation Act of 1958 empowers the Secretary of Transportation to undertake studies and research and development (R&D) projects to meet the needs for safe and efficient navigation and traffic control of all civil aviation. The Program Engineering and Maintenance Service (APM) of the FAA is the primary office responsible for aviation R&D. Each year, as a part of this program, APM conducts research involving many topics concerned with airport matters that include airport design concepts and configurations, construction standards, the environment, and safety of operations. The results of these research efforts are published in reports that are available to the public.
  5. HOW TO ORDER. Appendix 3 contains information for purchasing U.S. Government R&D reports and National Technical Information Service (NTIS) Searches. Price schedules contained in Appendix 3 are current as of the date of this AC and are subject to change.

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Director, Office of Airport Standards



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1. NATIONAL TECHNICAL INFORMATION SERVICE (NTIS). The NTIS, an agency of the U.S. Department of Commerce, is the central source for the public sale of U.S. Government-sponsored research, development, and engineering technical reports in addition to other analyses prepared by Federal agencies, their contractors, or grantees. It is also the central source for Federally generated machine-processable data files and software and manages the Federal Software Exchange Center. NTIS sells its technical information products and services under the provisions of Title 15 of the U.S. Code (1151-7). This law established NTIS as a clearinghouse for scientific, technical, and engineering research.

2. NTIS SEARCHES. NTIS Searches are fully annotated bibliographies (with abstracts) that are prepared by information specialists in subject areas most frequently requested by NTIS customers from the NTIS on-line bibliographic retrieval system. The NTIS information collection exceeds a million titles with seventy thousand new reports added annually to the NTIS data base. NTIS Searches are of two kinds: Published Searches and On-Line Searches. Published Searches are prepared in anticipation of users' needs. On-Line Searches are prepared on a customized basis to satisfy a very specific user information need. Appendix 2 contains a listing of selected available Published Searches involving airport topics. A complete listing of Published Searches may be obtained from NTIS or may be found in the back of Published Search documents. When available, current NTIS listings should be consulted in lieu of appendix 2.

3. GOVERNMENT REPORTS ANNOUNCEMENTS AND INDEX (GRA&I). Full summaries of U.S. research reports are published in one biweekly indexed volume. Coverage is comprehensive--about seventy thousand new summaries annually--and is indexed by subject, keyword, personal and corporate author, Government contract and report/accession numbers. These summary documents are designed for librarians and technical information specialists and generally can be found in up-to-date technical libraries.

4. LISTING OF AIRPORT TECHNICAL REPORTS. Appendix 1 contains a listing of selected technical reports published since 1970 on a variety of subjects involving airport matters. Copies of reports contained in this listing are available in paper copy or microfiche and can be purchased by ordering from NTIS. This listing has been developed only for quick reference purposes. It is revised on an infrequent basis and is not all-inclusive. When available, bibliographic Published Search documents compiled and sold by NTIS should be consulted. It should be recognized that the procedures, materials, design techniques, and recommendations contained in these reports have not necessarily been adopted or endorsed by the FAA. If research results indicate that a product or technique will provide an acceptable level of safety and will satisfy other considerations including economy, durability, and workmanship, it may be approved by the FAA for use on an individual airport project on a pilot basis or may be adopted as policy and/or as a national standard.



APPENDIX 1. LISTING OF SELECTED  
FAA R&D TECHNICAL REPORTS: 1970-1984

This appendix contains a listing of selected FAA technical reports by category that are available by ordering through NTIS. Below is an example footnoted to indicate each section of the entry.

FAA-RD-75-207 1/  
State-of-the-Art in Predicting Pavement Reliability  
from Input Variability 2/  
AD-A018 904 3/ 76-04 4/ 13B 5/ PCA05/MFA01 6/

- 1/ FAA report number
- 2/ Report title
- 3/ NTIS ordering number
- 4/ Volume number of the Government Reports Announcements and Index(GRA&I)  
containing the report
- 5/ NTIS subject category
- 6/ Schedule price code(PC-paper copy, MF-microfiche) from Appendix 3, page 2

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## Appendix 1

AIRPORT PLANNING, CAPACITY, AND DESIGN CONCEPTS

FAA-RD-71-055

Analytical Tools for the Study of  
Airport Congestion  
AD-730 789 71-22 1E PCA04/MFA01

FAA-RD-73-082

The Apron-Terminal Complex, Analysis  
of Concepts for Evaluation of  
Terminal Buildings  
AD-771 186 74-04 1E PCA08/MFA01

FAA-RD-72-140

Arresting Gear Tests for Elevated  
Short Takeoff and Landing Ports  
(STOL)  
AD-754 268 73-05 1E PCA02/MFA01

FAA-RD-73-097

Analysis of Dual Lane Runways  
AD-777 914 74-13 1E PCA04/MFA01

FAA-EM-73-005

Models for Runway Capacity Analysis  
AD-760 637 73-14 1E PCA07/MFA01

FAA-QS-74-001

The Chicago-Midway Airport Study,  
Volume 1  
AD-A003 943 75-06 1B PCA08/MFA01

FAA-EM-73-009

Reduction of Parallel Runway  
Requirements  
AD-764 668 73-19 17G PCA04/MFA01

FAA-QS-74-001, Vol. 2

The Chicago-Midway Airport Study,  
Volume 2, Methodology and Supporting  
Data  
AD-A005 642 75-08 1E PCA18/MFA01

FAA-RD-73-011, Vol. 1

Procedures for Determination of  
Airport Capacity  
AD-763 593 73-17 17G PCA09/MFA01

FAA-EM-74-005, Vol. 1

FAA Report on Airport Capacity,  
Volume 1, National Summary  
AD-774 784 74-09 1E PCA05/MFA01

FAA-RD-73-011, Vol. 2

Procedures for Determination of  
Airport Capacity - Appendices  
AD-763 560 73-17 17G PCA13/MFA01

FAA-EM-74-005, Vol. 2

FAA Report on Airport Capacity,  
Volume 2, Eight Airport Survey  
AD-774 789 74-09 1E PCA13/MFA01

FAA-RD-73-015

Elevated STOLport Test Facility  
Conceptual Development and Cost  
Study  
AD-763 595 73-17 1E PCA04/MFA01

FAA-RD-74-080

Dual Lane Runway Study  
AD-779 496 74-15 1E PCA02/MFA01

FAA-RD-73-018

Statistical Methods for Measuring  
Aeronautical Activity at Non-  
Toweried Airports  
AD-758 238 73-10 1E PCA05/MFA01

FAA-RD-74-124

Techniques for Determining Airport  
Airside Capacity and Delay  
AD-A032 475 1E PCA11/MFA01

FAA-RD-73-019

Instructional Manual for Measuring  
Aeronautical Activity at Non-  
Toweried Airports  
AD-758 570 73-11 1E PCA03/MFA01

FAA-RD-74-133

Graphic Study of a Selected Site for  
a Second Major Airport in the  
Atlanta, Georgia, Terminal Area  
AD-783 751 74-21 17G PCA03/MFA01

FAA-RD-74-177

Development of a Non-Survey Method  
Estimating Traffic at Non-Toweried  
Airports  
AD-A002 397 75-04 1B PCA08/MFA01

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AIRPORT PLANNING, CAPACITY, AND DESIGN CONCEPTS (con't)

**FAA-RD-74-178**

Estimating Operations at Non-Towered Airports Using the Non-Survey Method  
AD-A001 404 75-02 1B PCA02/MFA01

**FAA-RD-74-184, Vol. 1**

New York Offshore Airport Feasibility Study, Volume 1, Introduction, Summary and Conclusions  
AD-A003 125 75-05 1E PCA08/MFA01

**FAA-RD-74-184, Vol. 2**

New York Offshore Airport Feasibility Study, Volume 2, Air Traffic Projections, Air Side Operations, Site Selection, Ground Access, Structural Concepts  
AD-A003 126 75-05 1E PCA16/MFA01

**FAA-RD-74-184, Vol. 3**

New York Offshore Airport Feasibility Study, Volume 3, Airport Configuration, Ancillary Functions, Airport Construction, Environment Protection, Financial Analysis and Community Impact  
AD-A003 798 75-06 1C PCA13/MFA01

**FAA-ASP-75-005**

The Airport Performance Model  
AD-A025 262 76-15 1B PCA10/MFA01

**FAA ASP-75-006**

The Airport Network Flow Simulator  
AD-A025 740 76-16 15E PCA05/MFA01

**FAA-RD-75-018**

Feasibility of Real Time Simulation of Airport/Airside Operations  
AD-A006 996 75-10 1E PCA03/MFA01

**FAA-RD-75-043**

Study to Develop Regional and Nation-Wide Estimates of General Aviation (GA) Activity at Non-Towered Airports  
AD-A009 883 75-14 1B PCA06/MFA01

**FAA-RD-75-066**

Validation of Maximum Airport Throughput Levels Estimated by the DELCAP Simulation Model  
AD-A011 485 75-17 17G PCA04/MFA01

**FAA-RD-75-124, Vol. 1**

Forecast of Landside Airport Access Traffic at 211 Major U.S. Airports to 1990, Volume 1, The Forecasts  
AD-A025 401 76-16 1E PCA11/MFA01

**FAA-RD-75-124, Vol. 2**

Forecast of Landside Airport Access Traffic at 211 Major U.S. Airports to 1990, Volume 2, Detailed Technical Description of Forecasting Methods  
AD-A025 246 76-15 1E PCA05/MFA01

**FAA-RD-75-154**

Validation of the DELCAP Airport Simulation Model  
AD-A021 127 76-08 1E PCA08/MFA01

**FAA-RD-75-169**

The Application of Simulation Methods to Intra-Airport Landside Problems  
AD-A017 084 76-01 1E PCA05/MFA01

**FAA-RD-75-191**

The Apron and Terminal Building Planning Manual  
AD-A018 120 76-02 1E PCA15/MFA01

**FAA-AGL-76-001, Vol. 1**

O'Hare Delay Task Force Study, Volume 1, Executive Summary  
AD-A030 237 76-24 1E PCA03/MFA01

**FAA-AGL-76-001, Vol. 2**

O'Hare Delay Task Force Study, Volume 2, Technical Report  
AD-A030 172 76-24 1E PCA11/MFA01

**FAA-AGL-76-001, Vol. 3**

O'Hare Delay Task Force Study, Volume 3, Technical Appendices  
AD-A030 305 76-25 1E PCA09/MFA01

AIRPORT PLANNING, CAPACITY, AND DESIGN CONCEPTS (con't)

- FAA-ASP-76-003  
Selected Documents for Aviation  
Planning in the Terminal Area  
AD-A028 309 76-21 1E PCA04/MFA01
- FAA-RD-76-128-BK-1  
Model User's Manual for Airfield  
Capacity and Delay Models, Book 1  
AD-A033 685 1E PCA14/MFA01
- FAA-RD-76-128-BK-2  
Model Users' Manual for Airfield  
Capacity and Delay Models, Book 2  
AD-A036 354 1E PCA08/MFA01
- FAA-RD-76-153  
Technical Report on Airport Capacity  
and Delay Studies  
AD-A032 166 1E PCA09/MFA01
- FAA-RD-76-162  
Supporting Documentation for  
Technical Report on Airport  
Capacity and Delay Studies  
AD-A032 526 1E PCA04/MFA01
- FAA-EM-77-004  
Airport Facility Queuing Model  
Validation, Interim Report  
AD-A041 258 1E PCA03/MFA01
- FAA-EM-77-015  
Bibliography: Airports  
AD-A049 879 1E PCA08/MFA01
- FAA-EM-77-017  
Airport Improvement Task Force  
Delay Study: Delay Model  
Validation Plan  
AD-A048 112 1E PCA04/MFA01
- FAA-AVP-77-026  
Report on Airport Capacity: Large  
Hub Airports in the United States  
AD-A041 435 1E PCA99/MFA01
- FAA-AVP-77-030  
Profiles of Scheduled Air Carrier  
Passenger Traffic for Top 100 U.S.  
Airports  
AD-A061 165 79-06 1B PCA10/MFA01
- FAA-AVP-77-041  
Analysis of Air Traffic Delays at  
Metropolitan Airports  
AD-A088 337 80-26 PCA03/MFA01
- FAA-RD-77-045  
FAA Airport Capacity and Delay  
Models  
AD-A039 305 1E CPT05
- FAA-AVP-78-002  
The FAA's Airport Landside Model:  
Analytical Approach to Delay  
Analysis  
AD-A051 145 78-12 1E PCA06/MFA01
- FAA-EM-78-007  
Airport Improvement Task Force Delay  
Study: Data Collection, Reduction,  
and Analysis  
AD-A056 201 78-21 1E PCA04/MFA01
- FAA-ASP-78-008  
Airport Capacity Investment Handbook  
AD-A066 332 79-16 1E PCA08/MFA01
- FAA-EM-78-009  
Analysis of Runway Occupancy Times  
at Major Airports  
AD-A056 052 78-21 1E PCA04/MFA01
- FAA-EM-78-012  
Airport Ground Access Study  
AD-A058 944 79-01 1E PCA04/MFA01
- FAA-EQ-78-015  
Planning for the Airport and Its  
Environs: The Sea-Tac Success Story  
AD-A058 381 78-25 1E PCA06/MFA01
- AAF-220-78-001, Vol. 1  
User Delay Cost Model and Facilities  
Maintenance Cost Model for a  
Terminal Control Area. Volume 1:  
Model Formulation and Demonstration  
AD-A059 007 79-01 1E PCA06/MFA01

AIRPORT PLANNING, CAPACITY, AND DESIGN CONCEPTS (con't)

- AAF-220-78-001, Vol. 2**  
 User Delay Cost Model and Facilities Maintenance Cost Model for a Terminal Control Area. Volume 2: User's Manual and Program Documentation for the User Delay Cost Model  
 AD-A058 984 79-01 1E PCA09/MFA01
- AAF-220-78-001, Vol. 3**  
 User Delay Cost Model and Facilities Maintenance Cost Model for a Terminal Control Area. Volume 3: User's Manual and Program Documentation for the Facilities Maintenance Cost Model  
 AD-A059 008 79-01 1E PCA03/MFA01
- FAA-AF-79-001**  
 Development and Test of Fiberglass Low-Impact Resistant Towers  
 AD-A077 160 80-05 1E PCA05/MFA01
- FAA-EM-79-004**  
 Airport Ground Access  
 AD-A068 974 79-20 1E PCA24/MFA01
- FAA-EM-79-005**  
 Airport Surface Traffic Control System Requirements Analysis  
 AD-A072 170 79-24 1E PCA07/MFA01
- FAA-AVP-79-011**  
 Airport and Airspace Delay Model Description  
 AD-A090 781 81-04 PCA06/MFA01
- FAA-AVP-79-013**  
 Summary of Airport-Air Carrier Agreements  
 AD-A091 652 81-06 PCA02/MFA01
- FAA-EM-79-019**  
 Potential Benefits of the Use of Separate Short Runways at Major Airports  
 AD-A081 594 80-13 PCA04/MFA01
- FAA-RD-79-032**  
 Infrared Runway Collision Avoidance System Analysis  
 AD-A078 131 80-07 1E PCA05/MFA01
- FAA-RD-79-110**  
 Inferred Climatology for U.S. Airports  
 AD-A080 487 80-11 MFA01
- UNNUMBERED**  
 Airport Activity Statistics of Certificated Route Air Carriers 12 Months Ended December 31, 1978  
 AD-A076 194 80-04 MFA01
- FAA-EM-80-002**  
 Collection of Calibration and Validation Data for an Airport Landside Dynamic Simulation Model  
 AD-A087 162 80-23 PCA07/MFA01
- FAA-EM-80-004**  
 Feasibility of a Separate Short Runway for Commuter and General Aviation Traffic at Denver  
 AD-A089 317 81-02 PCA03/MFA01
- FAA-EM-80-008**  
 Airport Landside Simulation Model.  
 Magnetic Tape. \$540.00  
 AD-A119 454
- FAA-EM-80-008, Vol. 1**  
 Airport Landside. Volume 1: Planning Guide  
 AD-A117 599 82-24 PCA05/MFA01
- FAA-EM-80-008, Vol. 2**  
 Airport Landside. Volume 2: The Airport Landside Simulation Model (ALSIM)  
 AD-A117 600 82-24 PCA06/MFA01
- FAA-EM-80-008, Vol. 3**  
 Airport Landside. Volume 3: ALSIM Calibration and Validation  
 AD-A117 601 82-24 MFA01

AIRPORT PLANNING, CAPACITY, AND DESIGN CONCEPTS (con't)

- FAA-EM-80-008, Vol. 4  
Airport Landside. Volume 4: Appendix A; ALSIM Auxiliary and Main Programs  
AD-A117 602 82-24 PCA13/MFA01
- FAA-EM-80-008, Vol. 5  
Airport Landside, Volume 5: Appendix B; ALSIM Subroutines  
AD-A117 603 82-24 PCA14/MFA01
- FAA-EM-80-009  
Airport Ground Access Planning Guide  
AD-A092 018 81-07 PCA07/MFA01
- FAA-APO-80-010  
Terminal Area Forecast: Fiscal Years 1981-1982  
AD-A095 557 81-13 PCA18/MFA01
- FAA-RD-80-087  
Preliminary Test Plans of ATC Concepts for Longer Term Improvement (Helicopter Operations Development Program)  
AD-A089 PCA03/MFA01
- FAA-RD-80-107  
Study of Heliport Airspace and Real Estate Requirements  
AD-A091 156 81-05 PCA08/MFA01
- FAA-EM-81-001  
Upgraded FAA Airfield Capacity Model  
AD-A105 688 82-04 PCA11/MFA01
- FAA-EM-81-001, Vol. 1  
Upgraded FAA Airfield Capacity Model Volume 1: Supplemental User's Guide  
AD-A104 154 82-01 PCA06/MFA01
- FAA-EM-81-001, Vol. 2  
Upgraded FAA Airfield Capacity Model Volume 2: Technical Description of Revisions  
AD-A104 155 82-01 PCA08/MFA01
- FAA-APO-81-004  
Minimum General Aviation Airport and Airway System Requirements  
AD-A102 061 PCA03
- FAA-EM-81-005  
An Analysis of Runway/Taxiway Transgressions at Controlled Airports  
AD-A099 470 81-20 PCA05/MFA01
- FAA-EM-81-008  
Requirements for Independent and Dependent Parallel Instrument Approaches at Reduced Runway Spacing  
AD-A105 673 82-04 PCA09/MFA01
- UNNUMBERED  
Airport Improvement Task Force Report  
Lambert-St. Louis International Airport  
AD-A103 842 82-01 PCA02/MFA01
- UNNUMBERED  
A Study of Airport Design, Art and Architecture  
AD-A099 852 81-20 PCA05/MFA01
- UNNUMBERED  
Upgraded FAA Airfield Capacity Model  
FAA Tape 202592 (\$540.00)  
AD-A105 687
- DOT/FAA-EM-81-011  
Transport Aircraft Cockpit Standardization (Federal Aviation Regulations Part 25)  
AD-A108 924 PCA03/MFA01
- FAA-EM-81-012  
Requirements for Instrument Approaches to Triple Parallel Runways  
AD-A105 622 PCA07/MFA01
- FAA-EM-81-014  
Airfield and Airspace Capacity/Delay Policy Analysis  
AD-A110 777 82-12 PCA04/MFA01
- FAA-RD-81-016  
High Speed Exit Taxiways  
AD-A098 178 81-17 PCA03/MFA01

AIRPORT PLANNING, CAPACITY, AND DESIGN CONCEPTS (con't)

## UNNUMBERED

The FAA Plans and Programs for the Future Airport and Air Traffic Control System  
 AD-A100 370 81-21                   PCA09/MFA01

## FAA-RD-81-017

Future ATC System Description ATC Facilities and Interfaces (1980-1990)  
 AD-A103 241                       PCA20/MFA01

## DOT/FAA-CT-81-030

Design and Implementation of Efficient Algorithms for Automatic Determination of Corrected Slant Range  
 AD-A112 248                       PCA02/MFA01

## FAA-RD-81-035

Development of a Heliport Classification Method and an Analysis of Heliport Real Estate and Airspace Requirements  
 AD-A102 521 81-24               PCA05/MFA01

## FAA-RD-81-041

Detection Performance Evaluation of the ASDE-3 Using Fixed Frequency and Frequency-Agile Operation  
 AD-A099 513                       PCA06/MFA01

## FAA-ARP-82-001

Twelfth Annual Report of Operations Under the Airport and Airway Development Act  
 AD-A116 418                       PCA05/MFA01

## FAA-EM-82-003

Survey of 101 U.S. Airports for New Multiple Instrument Approach Concepts  
 AD-A107 812 82-07               PCA05/MFA01

## DOT/FAA-EM-82-004

Requirements for Instrument Approaches to Converging Runways  
 AD-A108 075 82-07               PCA06/MFA01

## FAA-EM-82-005

Overview of the O'Hare Runway Configuration Management System  
 AD-A110 137 82-11               PCA04/MFA01

## UNNUMBERED

Airport Activity Statistics of Certificated Route Carriers, CY 1981  
 AD-A119 713 83-02               PCA15/MFA01

## DOT/FAA-RD-82-010

Operational and Functional Requirements for the Navigation System in Terminal Areas  
 AD-A116 127                       PCA04/MFA01

## FAA-EM-82-015

Evaluation of Various Navigation System Concepts  
 AD-A112 758                       PCA08/MFA01

## DOT/FAA-EM-82-022

Preliminary Analysis of the Benefits and Costs to Implement the NAS Plan  
 AD-A117 664                       PCA04/MFA01

## FAA-EM-82-023, Vol. 1

Conflict Monitoring Analysis of Parallel Opposite Direction Routes  
 AD-A120 080                       PCA04/MFA01

## FAA-EM-82-023, Vol. 2

Conflict Monitoring Analysis of Parallel Opposite Direction Routes  
 AD-A120 187                       PCA04/MFA01

## UNNUMBERED

National Aviation System Development and Capital Needs for the Decade 1982-1991  
 AD-A122 164                       PCA09/MFA01

## FAA-APO-83-001

FAA Aviation Forecasts-Fiscal Years 1983-1994  
 AD-A124 611                       PCA05/MFA01

AIRPORT PLANNING, CAPACITY, AND DESIGN CONCEPTS (con't)

FAA-ARP-83-003	DOT/FAA-PM-84-002 (Magnetic Tape) Airfield Delay Simulation Model (ADSIM) PB-84-171560	PCA06/MFA01
First Annual Report of Accomplish- ments Under the Airport Improvement Program AD-A130 060	PCA05/MFA01	
FAA-APO-83-005	DOT/FAA-PM-84-002 (User's Guide) Airfield Delay Simulation Model (ADSIM) PB-84171552	PCA06/MFA01
Investment Criteria for Airport Surveillance Radar (ASR/ATCRBS/ARTS) AD-A144 495	PCA06/MFA01	
FAA-APO-83-007	DOT/FAA-PM-84-023 Structural Design Guidelines for Heliports AD-A148 967	PCA06/MFA01
Eighth Annual FAA Forecast Conference Proceedings, Fiscal Years 1983-1994 AD-A132 646	PCA05/MFA01	
DOT/FAA-ES-83-009	National Airspace Review Implementation Plan AD-A145 379	PCA04/MFA01
Operational and Functional Description of Automated En Route Air Traffic Control (AERA) AD-A136 831	PCA05/MFA01	
Introduction to the Airport Improvement Program AD-A144 556	PCA02/MFA01	
FAA-APO-84-001	National Airspace Review Interim Report AD-A147 768	PCA06/MFA01
FAA Aviation Forecasts Fiscal Years 1984-1995 AD-A138 759	PCA05/MFA01	
DOT/FAA-AT-84-001	Report on The Test of Dispersal of Turbojet Aircraft Departure Tracks at Washington National Airport. (1983-1984), Volume 1: Summary Report AD-A148 111	PCA07/MFA01
National Airspace Review Benefits and Costs. Interim Report 1 AD-A144 235	PCA04/MFA01	

RUNWAY PAVEMENT DESIGN, CONSTRUCTION, AND SURFACE CONDITIONS

FAA-RD-73-169

Review of Soil Classification  
 Systems Applicable to Airport  
 Pavement Design  
 AD-783 190 74-20 8M PCA06/MFA01

FAA-RD-73-197

Porous Friction Surface Course  
 AD-A009 012 75-13 1E PCA06/MFA01

FAA-RD-73-198, Vol. 1

Comparative Performance of  
 Structural Layers in Pavement  
 Systems, Volume 1: Design,  
 Construction, and Behavior under  
 Traffic of Pavement Test Sections  
 AD-785 024 74-23 13B PCA12/MFA01

FAA-RD-73-198, Vol. 2

Comparative Performance of  
 Structural Layers in Pavement  
 Systems, Volume 2: Analysis of  
 Test Section Data and Presentation  
 of Design and Construction Procedures  
 AD-A052 154 78-13 1E PCA05/MFA01

FAA-RD-73-198, Vol. 3

Comparative Performance of  
 Structural Layers in Pavement  
 Systems, Volume 3: Design and  
 Construction of MESL  
 AD-A005 893 75-09 13B PCA03/MFA01

FAA-RD-73-198, Vol. 4

Comparative Performance of  
 Structural Layers in Pavement  
 Systems, Volume 4: Analysis of  
 Insulating Layers in Pavement Test  
 Sections  
 AD-A038 116 1E PCA07/MFA01

FAA-RD-73-205, Vol. 1

Nondestructive Vibratory Testing of  
 Airport Pavements, Volume 1:  
 Experimental Test Results and  
 Development of Evaluation  
 Methodology and Procedure  
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- FAA-RD-72-042  
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- FAA-RD-72-049  
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- FAA-RD-72-054  
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- FAA-RD-72-091  
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- FAA-RD-72-093  
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- FAA-RD-73-025  
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- FAA-RD-73-026  
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- FAA-RD-73-157  
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- FAA-RD-73-170  
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- FAA-RD-73-187, Vol. 1  
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AD-783 185 13A PCA08/MFA01
- FAA-RD-73-187, Vol. 2  
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- FAA-RD-74-007  
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- FAA-RD-74-047  
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- FAA-RD-74-067  
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- FAA-RD-74-128  
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- FAA-RD-74-139  
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- FAA-RD-74-171  
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- FAA-RD-75-016  
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- FAA-RD-75-097  
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- FAA-RD-75-099  
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- FAA-RD-75-158  
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- FAA-RD-76-042  
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- FAA-RD-76-074  
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 AD-A025 237           76-15 1E PCA05/MFA01
- FAA-RD-76-106  
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- FAA-ER-450-042B  
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- FAA-RD-76-167  
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- FAA-RD-76-201  
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- FAA-RD-77-008  
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- FAA-RD-77-071  
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- FAA-RD-77-148  
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- FAA-RD-77-176  
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- FAA-RD-77-191  
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- FAA-RD-78-094  
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- FAA-RD-79-097  
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- FAA-RD-80-049  
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- DOT/FAA-RD-82-008  
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FAA-APP-77-036

Metropolitan Washington Airport Policy Analysis  
AD-A052 349 78-14 1E PCA05/MFA01

FAA-APP-77-038

Metropolitan Washington Airport  
AD-A088 203 80-26 PCA05/MFA01

UNNUMBERED

Metropolitan Washington Airports Policy; Supplement to the August 1980 Environmental Impact Statement  
AD-A106 484 82-05 PCA06/MFA01

FAA-APP-80-003, Vol. 1

The Allocation of Runway Slots by Auction. Volume 1: Executive Summary  
AD-A085 739 80-20 PCA03/MFA01

FAA-APP-80-003, Vol. 2

Volume 2: The Airline Management Game and Slot Auction Testing  
AD-A085 438 80-20 MFA01

FAA-APP-80-003, Vol. 3

Volume 3: Theory and Technical Issues for Implementation  
AD-A085 455 80-20 PCA05/MFA01

FAA-APP-80-006

Regulatory Analysis: Allocation of IFR Reservations at Washington National Airport  
AD-A091 651 PCA05/MFA01

FAA-APP-80-013

A Slot Allocation Model for High-Density Airports  
AD-A098 097 81-17 PCA09/MFA01

FAA-APP-81-001

Eleventh Annual Report of Operations Under the Airport and Airway Development Act  
AD-A100 704 PCA06/MFA01

AIRPORT POLICY STUDIES (con't)

FAA-APO-81-012

Final Regulatory Evaluation:  
Metropolitan Washington Airports  
Policy

AD-A110 583 82-12      PCA09/MFA01

NAS-MD-792

National Airspace System Configuration Management Document. Operational Requirements for the Remote Maintenance Monitoring System (RMMS)  
AD A144 218      PCA02/MFA01



APPENDIX 2. NTIS PUBLISHED SEARCHES

The following is a subject listing of selected NTIS Published Searches involving airport or airport-related categories. An example is provided footnoting each section of the entry. When available, consult a NTIS Published Search Catalog in lieu of this partial listing.

Aircraft and Spacecraft Fire, Detection and Fire Fighting 1/  
Jun 74-Nov 82 2/ (67) 3/  
(IAA) 4/ PB83-854430/CAC 5/

- 1/ Published Search Title  
2/ Period of Coverage  
3/ Number of Abstracts in this Search  
4/ Data Bank Code\*  
5/ NTIS Order Number

\* To expand the number of Published Searches, NTIS now offers subject searches from other data bases. A listing follows of those used in Appendix 2.

1. Ei: Engineering Information Inc.
2. FTA: Fire Technology Abstracts
3. IAA: International Aerospace Abstracts
4. INSPEC: Information Services for the Physics and Engineering Communities
5. ISMEC: Information Service in Mechanical Engineering

Published Searches

Aircraft Air Pollution

Aircraft Air Pollution 1974-July 1977 (227)  
Includes studies concerning pollution from supersonic aircraft and aircraft ground operations (NTIS) NTIS/PS-77/0570

Aircraft Air Pollution 1964-1973 (127)  
Includes Studies Concerning Pollution from Supersonic Aircraft and Aircraft Ground Operations (NTIS) NTIS/PS-76/0528/OCAC

Aircraft Air Pollution 1974-1976 (190)  
Includes Studies Concerning Pollution from Supersonic Aircraft and Aircraft Ground Operations (NTIS) NTIS/PS-78/0622/7CAC

Aircraft Air Pollution 1977-Jun 80 (209) Includes Studies Concerning Pollution from Supersonic Aircraft and Aircraft Ground Operations (NTIS) PB82-801580/CAC

Aircraft Air Pollution Jul 80-Oct 81 (52) Includes Studies Concerning Pollution from Supersonic Aircraft and Aircraft Ground Operations (NTIS) PB82-801598/CAC

Aircraft Fuel Conservation 1974-Jul 80 (187) (IAA) PB80-813579/CAC

Aircraft Fires

Aircraft and Spacecraft Fire Detection and Fire Fighting Jun 74-Nov 82 (67) (IAA) PB83-854430/CAC

Aircraft Fire Extinguishment and Fire Resistant Materials Jan 74-Jun 79(111) (FTA) PB81-850364/CAC

Fire Extinguishing Agents 1970-Mar 83 (152) (Ei) PB83-805499/CAC

Fire Extinguishing Agents 1964-Mar 83 (271) (NTIS) PB83-805432/CAC

Fire Fighting 1970-Jul 80 (175) Covers Building, Shipboard, Aircraft, and Forest Firefighting Techniques and Equipment (Ei) PB80-815160/CAC

Fire Fighting 1964-Mar 83 (333) Covers Building, Shipboard, Aircraft, and Forest Firefighting Techniques and Equipment (NTIS) PB83-805358/CAC

Aircraft Noise Pollution

Airport Noise 1964-Jan 83 (366) (NTIS) PB83-803387/CAC

Airport Noise Aug 1977 (219) (NTIS) NTIS/PS-77/0704

Aircraft Gas Turbine Engines: Noise Reduction and Vibration Control 1973-1982 (235) (ISMEC) PB83-854521/CAC

Aircraft Sonic Boom: Aircraft Flight, Aircraft Design, and Measurement 1964-May 82 (218) (NTIS) PB82-809948/CAC

Aircraft Sonic Boom: Biological Effects 1964-Sep 82 (88) (NTIS) PB83-880664/CAC

Maneuvering Aircraft: Noise Pollution and Control Sep 1976 (220) Covers Takeoff, Landing, and Flyby Noise Excluding Sonic Boom (NTIS) NTIS/PS-76/0733

Maneuvering Aircraft: Noise Pollution and Control 1964-1975 (181) Covers Takeoff, Landing, and Flyby Noise Excluding Sonic Boom (NTIS) NTIS/PS-78/0929/6CAC

Published Searches(con't)

Maneuvering Aircraft: Noise Pollution and Control 1976-1981 (206) Covers Takeoff, Landing, and Flyby Noise Excluding Sonic Boom  
(NTIS) PB82-803925/CAC

Noise Control and Abatement: Transportation Systems and Heavy Industry Jan 73-Sep 81 (147)  
(ISMEC) PB81-881708/CAC

Noise Control for Aircraft 1975-Sep 83 (280)  
(INSPEC) PB83-872465/CAC

Aircraft Sonic Boom: Effects on Buildings 1964-Mar 81 (76)  
(NTIS) PB81-805673/CAC

Aircraft Wakes

Aircraft Wake Vortices 1964-Apr 82 (316)  
(NTIS) PB82-809112/CAC

Airfield Pavements

Tire Hydroplaning Sep 1977 (103)  
(NTIS) NTIS/PS-77/0732

Airfield Pavement Evaluation, Vol. 1. 1964-1970 (159), July 1976  
(NTIS) NTIS/PS-76/0578

Airfield Pavement Evaluation, Vol. 2. 1971-1972 (123), July 1976  
(NTIS) NTIS/PS-76/0579

Airfield Pavement Evaluation, Vol. 3. 1973-June 1975 (111), July 1976  
(NTIS) NTIS/PS-76/0580

Airfield Pavement Evaluation, Vol. 4. July 1975-July 1977 (169), August 1977  
(NTIS) NTIS/PS-77/0662

Nondestructive Testing of Pavements and Pavement Bases Feb 1977 (97)  
(NTIS) NTIS/PS-77/0051

Airfields Pavement Evaluation 1964-1970 (159)  
(NTIS) NTIS/PS-76/0578/5CAC

Airfield Pavement Evaluation 1971-1972 (123)  
(NTIS) NTIS/PS-76/0579/3CAC

Airfield Pavement Evaluation 1973-Jun 75 (111)  
(NTIS) NTIS/PS-76/0580/1CAC

Airfield Pavement Evaluation Jul 75-Sep 81 (214)  
(NTIS) PB82-801143/CAC

Airport Runways 1970-Aug 83 (351)  
(Ei) PB83-870048/CAC

Airport Matters

Transportation for the Elderly or Physically Handicapped aug 1977 (147)  
(NTIS) NTIS/PS-77/0713

Preparation and Evaluation of Environmental Impact Statements 1970-Nov 76 (80)  
(NTIS) NTIS/PS-76/0898

Airport Development: Social and Economic Effects Jun 1977 (40)  
(NTIS) NTIS/PS-77/0441

Airport Development: Social and Economic Effects 1968-Feb 83 (166)  
(NTIS) PB83-804880/CAC

Offshore Structures Aug 1977 (189) Excludes Offshore Drilling Platforms  
(NTIS) NTIS/PS-77/0716

Offshore Structures 1964-Jun 80 (355) Excludes Offshore Drilling Platforms and Addresses Floating Cities, Airports, and Power Plants  
(NTIS) PB82-802265/CAC

Published Searches(con't)

Offshore Structures Jul 80-Jan 83(217)  
Excludes Offshore Drilling Platforms  
and Addresses Floating Cities, Airports,  
and Power Plants  
(NTIS) PB83-803262/CAC

Multiplexing In Aircraft 1975-Jul 82  
(48)  
(INSPEC) PB82-869736/CAC

Antennas

Aircraft Antennas Jun 74-Sep 83 (340)  
(IAA) PB83-873232/CAC

Aircraft Antennas 1975-Jan 83 (172)  
(INSPEC) PB83-859553/CAC

Aircraft Antennas Jan 74-Jan 83 (328)  
(NTIS) PB83-859025/CAC

Microwave Antennas: Design 1972-Sep 83  
(168)  
(IAA) PB83-873240/CAC

Microwave Antennas: Design 1975-1982  
(165)  
(INSPEC) PB83-856310/CAC

Avionics

Aerospace Computer Systems: Avionics  
Applications 1964-1975 (158)  
(NTIS) NTIS/PS-77/0125/3CAC

Aerospace Computer Systems: Avionics  
Applications 1976-1977 (203)  
(NTIS) NTIS/PS-79/0312/3CAC

Aerospace Computer Systems: Avionics  
Applications Aug 81-Oct 82 (100)  
(NTIS) PB83-802041/CAC

Aerospace Computer Systems: Avionics  
Applications 1978-Jul 81 (230)  
(NTIS) PB83-802033/CAC

Cathode Ray Tubes 1970-Jul 83 (116)  
(NTIS) PB83-868737/CAC

Multiplexing In Aircraft Jun 74-Sep 83  
(133)  
(IAA) PB83-871970/CAC

Multiplexing In Aircraft 1970-Aug 83  
(151)  
(NTIS) PB-83/871459/CAC

Terrain-Following and Forward-Looking  
Radars 1972-1982 (166)  
(NTIS) PB83-855965/CAC

Bird Strikes

Bird Strikes and Aviation Safety  
Jul 77(62) Includes Windshield Strikes  
and Engine Ingestion  
(NTIS) NTIS/PS-77/0606

Bird Strikes and Aviation Safety  
1964-1982 (128) Includes Windshield  
Strikes and Engine Ingestion  
(NTIS) PB83-802694/CAC

Capacity/Flight Safety

Air Traffic Congestion and Capacity  
Jul 1977 (146)  
(NTIS) NTIS/PS-77/0567

Air Traffic Congestion and Capacity  
1964-Oct 82 (231)  
(NTIS) PB83-801191/CAC

Air Traffic Control Simulation Models  
1964-1975 (217)  
(NTIS) NTIS/PS-78/0787/8CAC

Air Traffic Control Simulation Models  
1976-Mar 83 (272)  
(NTIS) PB83-805374/CAC

Clear Air Turbulence 1974-Jul 80 (237)  
(IAA) PB80-815889/CAC

Clear Air Turbulence 1964-Nov 81 (313)  
(NTIS) PB82-803180/CAC

Published Searches(con't)

Collision Avoidance Systems 1964-1981  
(462)  
(NTIS) PB82-806902/CAC

Collision Avoidance Systems: Air  
Transportation 1964-May 83 (383)  
Previous Editions of this Research  
also Contained Marine and Ground  
Transportation Collision Research  
(NTIS) PB83-808006/CAC

Deicers

Deicing Techniques and Equipment  
1970-Mar 83 (173)  
(Ei) PB83-861690/CAC

Deicing Techniques and Equipment  
1972-Aug 80 (102)  
(IAA) PB81-850349/CAC

Deicing Techniques and Equipment  
1970-Mar 83 (266)  
(NTIS) PB83-861682/CAC

Deicing/Snow Control

Snow and Ice Control: Roadways  
1970-Jul 82 (148)  
(Ei) PB82-870494/CAC

Snow Removal and Deicing Techniques  
for Roads and Runways Dec 1976 (143)  
(NTIS) NTIS/PS-76/0987

Roads and Runways: Snow Removal and  
Deicing Techniques 1964-Jun 83 (263)  
(NTIS) PB83-807578/CAC

Snow Studies 1964-1974 (211) Includes  
Studies on Properties, Construction,  
Melting, and Removal  
(NTIS) NTIS/PS-76/0808/6CAC

Snow Studies 1975-Nov 80 (283)  
(NTIS) PB82-807959/CAC

Snow Studies Dec 80-Mar 82 (32)  
Includes Studies on Properties,  
Construction, Melting, and Removal  
(NTIS) PB82-807967/CAC

Fog

Fog Dispersal 1964-Jan 82 (242)  
(NTIS) PB82-805821/CAC

Fog Dispersal Nov 1977 (219)  
(NTIS) NTIS/PS-77/1024

Fog Prediction 1964-Nov 81 (185)  
(NTIS) PB82-802588/CAC

Ice and Fog: Detection and Warning  
Systems 1964-May 82 (222)  
(NTIS) PB82-809492/CAC

Ice Fog 1964-Feb 82 (67)  
(NTIS) PB82-806548/CAC

Forecasting

Demands and Needs of Future Transporta-  
tion, Part 1: Air Transportation  
Feb 1977 (149)  
(NTIS) NTIS/PS-77/0054

Air Transportation: Demands and Needs  
1968-Sep 81 (334)  
(NTIS) PB83-805077/CAC

Air Transportation: Demands and Needs  
Oct 81-Mar 83 (19)  
(NTIS) PB83-805085/CAC

Delphi Method Used in Forecasting  
1970-Apr 80 (74)  
(Ei) PB80-809320/CAC

Delphi Method Used in Forecasting  
1964-Apr 80 (17)  
(IAA) PB80-809338/CAC

Delphi Method Used in Forecasting  
1970-Mar 83 (148)  
(NTIS) PB83-862524/CAC

Published Searches(con't)

Economic Analyses of Airline Operations  
1974-Oct 80 (165)  
(IAA) PB81-802100/CAC

NAVSTAR Global Positioning System  
1972-Jul 83 (194)  
(IAA) PB83-868323/CAC

Inertial Navigation And Guidance

Inertial Navigation and Guidance  
1976-Jul 80 (61)  
(IAA) PB80-815640/CAC

NAVSTAR Global Positioning System  
1977-1982 (145)  
(INSPEC) PB83-855452/CAC

Inertial Navigation and Guidance  
1964-May 76 (236)  
(NTIS) NTIS/PS-77/0608/8CAC

NAVSTAR Global Positioning System  
1970-Jul 83 (199)  
(NTIS) PB83-868315/CAC

Inertial Navigation and Guidance  
Jun 76-1982 (267)  
(NTIS) PB83-802934/CAC

Omega Navigation System 1970-1982  
(214)  
(Ei) PB83-802843/CAC

Omega Navigation System 1964-1982  
(352)  
(NTIS) PB83-802900/CAC

Landing Aids

Signs and Display Systems: Graphic  
Design and Human Engineering  
Dec 1976 (121)  
(NTIS) NTIS/PS-76/0967

Radomes

Radome Technology 1970-Jul 83 (258)  
(NTIS) PB84-800036/CAC

Microwave Landing Systems 1970-Nov 81  
(122)  
(Ei) PB82-803149/CAC

Radome Technology 1964-Nov 76 (228)  
(NTIS) NTIS/PS-77/1151/8CAC

Microwave Landing Systems 1964-Nov 81  
(222)  
(NTIS) PB82-803131/CAC

Radome Technology 1976-Jul 83 (201)  
(NTIS) PB84-800044/CAC

Radio Navigation

Loran C Navigation 1970-Oct 82 (157)  
(Ei) PB83-801720/CAC

Short Takeoff Aircraft(STOL)

STOL Aircraft Jun 70-Nov 82 (141)  
(Ei) PB83-852947/CAC

Loran C Navigation 1964-Oct 82 (220)  
(NTIS) PB83-801712/CAC

STOL Aircraft Jun 74-Jan 82 (145)  
(IAA) PB82-861469/CAC

STOL Aircraft Dec 76-Nov 82 (261)  
(NTIS) PB83-852939/CAC

APPENDIX 3. NTIS ORDERING INFORMATION

1. HOW TO ORDER. All orders for reports and NTIS Searches should contain the NTIS order number and desired quantity (paper copy or microfiche). Order forms are available and can be obtained from NTIS upon request. Address orders to:

U.S. Department of Commerce  
National Technical Information Service  
5285 Port Royal Road  
Springfield, Virginia 22161

Telephone: (703) 487-4650  
Telex: 89-9405  
Telecopier or 3M Fasimile Service (703) 321-8199

2. PAYMENT OPTIONS. For quick processing, it is recommended that a check for the total amount be included with the order. NTIS permits other payment options including an NTIS deposit account, an American Express or MasterCard/Visa charge, and a billing service. Contact NTIS concerning use of these options.

3. REPORT FORMATS.

a. Reports are available from NTIS in the following formats:

- (1) Paper copies of original report or reprint.
- (2) Microfiche sheet 105 mm x 148.75 mm (about 4" x 6").

b. In addition, certain reports may be available in the following formats.

- (1) Microfilm in 35 or 16 mm size.

(2) Magnetic tape, seven track, 200, 556 or 800 BPI, odd or even parity; or nine track, 800, 1,600, 6,250 BPI odd parity only, with Bcd (Binary coded decimal) or Ebcdic (Extended binary coded decimal interchange code) coding.

4. FEES SCHEDULES. The following fee schedules are effective as of the date of this appendix. You are advised to consult the latest NTIS price schedules since all prices are subject to change. These schedules are applicable to the North American Continent only. For orders outside North America, price quotations should be requested from NTIS.

AC 150/5000-4B  
Appendix 3

Schedule A - Standard Price Schedule

<u>Code</u>	<u>Page Range</u>	<u>Price</u>
A01	Microfiche	\$ 4.50
A02	001 - 025	7.00
A03	026 - 050	8.50
A04	051 - 075	10.00
A05	076 - 100	11.50

A06	101 - 125	13.00
A07	126 - 150	14.50
A08	151 - 175	16.00
A09	176 - 200	17.50
A10	201 - 225	19.00
A11	226 - 250	20.50
A12	251 - 275	22.00
A13	276 - 300	23.50
A14	301 - 325	25.00
A15	326 - 350	26.50
A16	351 - 375	28.00
A17	375 - 400	29.50
A18	401 - 425	31.00
A19	426 - 450	32.50
A20	451 - 475	34.00
A21	476 - 500	35.50
A22	501 - 525	37.00
A23	526 - 550	38.50
A24	551 - 575	40.00
A25	576 - 600	41.50
A99	601 - up	*

\* Add \$1.50 for each  
25-page increment,  
or portion thereof.

Schedule N - Specialized Products

<u>Code</u>	<u>Price</u>
N01	\$ 35.00
N02	40.00

Schedule T - Computer Products Schedule

<u>Code</u>	<u>Price</u>
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T02	140.00
T03	240.00
T04	320.00
T05	400.00
T06	465.00
T07	530.00
T08	595.00
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T14	985.00
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T17	1,180.00
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T99	

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